PPL13 PROJECT NOMINEE FACT SHEET
Updated: March 21, 2003

Project Name:
Hydrologic Restoration of Plumb Island Point to Palmetto Bayou

Coast 2050 Strategy:
Regional Strategy: Maintain shoreline integrity in Caillou, Terrebonne and Timbalier Bays.
Mapping Unit Strategy: Protect bay/lake and gulf shorelines.

Project Location
Region 3, Terrebonne Basin, Parish, The project is located in the Atchafalaya Subdelta mapping unit and is east of Atchafalaya Bay and approximately 18 miles south of Morgan City.

Problem
The shoreline extending from Plumb Island Point to Palmetto Bayou provides a significant barrier to floating marsh habitat from high-energy wave action in Atchafalaya Bay. However, recent tropical storm events in the Gulf of Mexico have created several narrow breaches along the existing shoreline leading to interior marsh deterioration and extended marsh recovery periods. Habitat located behind the existing shoreline is increasingly prone to tidal influences that are normally not so prevalent with an intact and stable shoreline.

Goals
The goal of the project is to repair or close several narrow breaches along the existing shoreline.

Proposed Solution
The proposed solution is to plug shoreline breaches with earthen material, rock, or some other suitable material to reduce marsh loss due to increased tidal fluctuations behind the existing shoreline.

Preliminary Project Benefits
The project would protect an area of floatant marsh by repairing shoreline breaches created as a result of recent tropical storm events allowing a longer recovery period for the marsh.

Compatibility with Coast 2050 Criteria

<u>Wetland Elevation/Sustainability</u>
Less than 250 acres would be sustained over the project life

<u>Ecosystem Influence Area</u>
The project has an ecosystem influence area of less than 1,000 acres.

Structural Framework
The project impacts 25-50% of the ecosystem influence area for greater than 20 years.

Infrastructure
The project has no impact on critical and/or non-critical infrastructure.

Organism and Material Linkages
Structures used for the project would allow moderately less exchange of organisms and material, but will remain consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives
The project has no effect on the Coast 2050 Habitat Objective.

Project Synergy
The project has no synergy with other approved restoration projects.

Identification of Potential Issues
This project has no potential issues. The O&M is considered to be high.

Preliminary Construction Costs
The preliminary fully funded cost of this project is in the $0 - $5 million range.

Preparer of Fact Sheet
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